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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/719,682	11/21/2003	Chuang He	2639/A96	1306
2101 DROMBERG	7590 04/11/2007 & SUNSTEIN LLP		EXAMINER	
125 SUMMER	STREET		2639/A96 1306	IYEN X
BOSTON, MA	02110-1618			PAPER NUMBER
			2626	
SHORTENED STATUTO	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MC	ONTHS	04/11/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/719,682	HE ET AL.			
Office Action Summary	Examiner	Art Unit			
	Huyen X. Vo	2626			
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet w	th the correspondence address			
A SHORTENED STATUTORY PERIOD FOR R WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 Cl after SIX (6) MONTHS from the mailing date of this communicatio - If NO period for reply is specified above, the maximum statutory p - Failure to reply within the set or extended period for reply will, by any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNI FR 1.136(a). In no event, however, may a n. eriod will apply and will expire SIX (6) MON statute, cause the application to become Al	CATION. eply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on	21 November 2003				
·	This action is non-final.	·			
3) Since this application is in condition for all		ers, prosecution as to the merits is			
closed in accordance with the practice und	•	•			
Disposition of Claims		,			
4)⊠ Claim(s) <u>1-5</u> is/are pending in the applicat	ion.				
4a) Of the above claim(s) is/are with	•	·			
5) Claim(s) is/are allowed.					
6) Claim(s) is/are rejected.					
7) Claim(s) is/are objected to:					
8) Claim(s) 1-5 are subject to restriction and	or election requirement.				
Application Papers	·				
9) The specification is objected to by the Exa	minor				
10) ☐ The drawing(s) filed on 21 November 2003		objected to by the Evaminer			
Applicant may not request that any objection to					
Replacement drawing sheet(s) including the co					
11) The oath or declaration is objected to by the	•				
Priority under 35 U.S.C. § 119	is Examinor. Note the attached	2 0 1100 7 0 1011 1 1011 1 7 0 102.			
<u> </u>	roign priority under 25 H C C I	140(a) (d) az (f)			
12) Acknowledgment is made of a claim for fora) All b) Some * c) None of:	eigh phonty under 35 U.S.C.	3 119(a)-(d) Of (1).			
_	mente have been received	•			
•	 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 				
3. Copies of the certified copies of the					
application from the International Bu		received in this National Stage			
* See the attached detailed Office action for a	, , , , , , , , , , , , , , , , , , , ,	received			
	or the continue copies not				
Attachment(s)					
Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413)			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948	B) Paper No(s)/Mail Date			
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 1 sheet.	5)	nformal Patent Application			
- apor 110(3)/111an Date <u>1 3/1661</u> .	0) Other	_ ·			

DETAILED ACTION

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Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-3, drawn to a method of continuous speech recognition system for discriminatively training hidden Markov models using mapping technique, classified in class 704, subclass 235.
 - II. Claim 4, drawn to a method of continuous speech recognition system for discriminatively training hidden Markov models using gradient adjustment technique, classified in class 704, subclass 244.
 - III. Claim 5, drawn to a method of continuous speech recognition system for discriminatively training hidden Markov models by determining correctness of a hypothesized word, classified in class 704, subclass 239.
- 2. Inventions I, II, and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct if they do not overlap in scope and are not obvious variants, and if it is shown that at least one subcombination is separately usable. In the instant case, subcombination I has separate utility such as discriminatively training hidden Markov models using mapping. Subcombination II has separate utility such as discriminatively training hidden Markov models using gradient adjustment technique. Subcombination III has separate utility such as discriminatively training hidden Markov models by determining correctness of a hypothesized word See MPEP § 806.05(d).

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The examiner has required restriction between subcombinations usable together. Where applicant elects a subcombination and claims thereto are subsequently found allowable, any claim(s) depending from or otherwise requiring all the limitations of the allowable subcombination will be examined for patentability in accordance with 37 CFR 1.104. See MPEP § 821.04(a).

Applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huyen X. Vo whose telephone number is 571-272-7631. The examiner can normally be reached on M-F, 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on 571-272-7602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HXV

4/5/2007